### SEQUENCE LISTING

### <110> MERISTEM THERAPEUTICS

<120> SYNTHETIC AND CHIMERIC PROMOTERS, EXPRESSION CASSETTES,
PLASMIDS, VECTORS, TRANSGENIC PLANTS ET SEEDS INCLUDING
THEM AND PROCESSES FOR PRODUCING THE SAME

<130> PrHMWG1

<220>

<221> misc\_feature

<222> (22)..(29)

<223> Prolamine- like box

<220>

```
<221> misc_feature
```

<223> GATA box

<220>

<221> misc\_feature

<222> (87)..(90)

<223> GATA box

<220>

[] <221> misc\_feature

(127)..(133)

<223> Prolamine-like box

The Street

<220>

<221> misc\_feature

<222> (161)..(168)

17

3 <223> G-like box

] =L

<220>

<221> enhancer

<222> (193)..(230)

<223> Enhancer box

<220>

<221> TATA\_signal

<222> (349)..(355)

<223> TATA box

```
<220>
  <221> misc_feature
  <222> (379)
  <223> Transcription initiation site
  <400> 1
  agctttgagt ggccgtagat ttgcaaaagc aatggctaac agacacatat tctgccaaac 60
  cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
  cacttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
  gtccaaaaat ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttgtgt 240
  tggcaaactg cgcttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
   aaacctcacc gtgcacgcag ccatggtcct gaaccttcac ctcgtcccta taaaagccta 360
   gccaaccttc acaatcttat catcacccac aacaccgagc accacaaact agagatc
Hand draw and
  <210> 2
  <211> 181
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Description of Artificial Sequence:MPr1126
         promoter
   <220>
   <221> TATA_signal
   <222> (113)..(119)
```

```
<223> TATA box
              <220>
              <221> misc_feature
              <222> (143)
              <223> Transcription Initiation site
              <400> 2
              gtgttggcaa actgcgcttt tccaaccgat tttgttcttc tcgcgctttc ttcttaggct 60
              aaacaaacct caccgtgcac gcagccatgg tcctgaacct tcacctcgtc cctataaaag 120
 cctagccaac cttcacaatc ttatcatcac ccacaacacc gagcaccaca aactagagat 180
i c
                                                                                                                                                                                                                                                                                                                                                                 181
The state state of the state of
<210> 3
3 <211> 244
 <212> DNA
              <213> Artificial Sequence
 1
                <220>
                <223> Description of Artificial Sequence:MPr1127
                                              promoter
                <220>
                <221> enhancer
                <222> (20)..(57)
                <223> Enhancer box
```

```
Marie and and and and
```

<220>

```
<220>
  <221> TATA_signal
  <222> (176)..(182)
  <223> TATA box
  <220>
  <221> misc_feature
  <222> (206)
  <223> Transcription Initiation site
<400> 3
  gcagactgtc caaaaatctg ttttgcaaag ctccaattgc tccttgctta tccagcttct 60
   tttgtgttgg caaactgcgc ttttccaacc gattttgttc ttctcgcgct ttcttcttag 120
   gctaaacaaa cctcaccgtg cacgcagcca tggtcctgaa ccttcacctc gtccctataa 180
   aagcctagcc aaccttcaca atcttatcat cacccacaac accgagcacc acaaactaga 240
                                                                      244
   gatc
   <210> 4
   <211> 277
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Description of Artificial Sequence:MPr1128
         promoter
```

```
<221> misc_feature
   <222> (21)..(28)
   <223> G-like box
   <220>
   <221> enhancer
   <222> (53)..(90)
   <223> Enhancer box
   <220>
<2 < 221 > TATA_signal
dr. for the star of the first
  <222> (209)..(215)
   <223> TATA box
   <220>
<221> misc_feature
<222> (239)
13
🖫 <223> Transcription Initiation Site
```

<400> 4

cagaactagg attacgccga ttacgtggct ttagcagact gtccaaaaat ctgttttgca 60
aagctccaat tgctccttgc ttatccagct tcttttgtgt tggcaaactg cgcttttcca 120
accgattttg ttcttctcgc gctttcttct taggctaaac aaacctcacc gtgcacgcag 180
ccatggtcct gaaccttcac ctcgtcccta taaaagccta gccaaccttc acaatcttat 240
catcacccac aacaccgagc accacaact agagatc 277

<210> 5

```
<211> 472
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Description of Artificial Sequence:MPr1130
         promoter
   <220>
   <221> misc_feature
<222> (22)..(29)
The first left they had find
   <223> Prolamine-like box
   <220>
   <221> misc_feature
Teng in it
  <222> (70)..(73)
223> GATA box
ı
   <220>
   <221> misc_feature
   <222> (87)..(90)
   <223> GATA box
   <220>
   <221> misc_feature
   <222> (127)..(133)
   <223> Prolamine-like box
```

```
<220>
  <221> misc_feature
  <222> (161)..(168)
  <223> G-like box
  <220>
  <221> enhancer
  <222> (193)..(230)
  <223> Enhancer box
= <220>
<221> misc_feature
  <222> (314)..(368)
   <223> As2/As2/As1 box
<220>
</
<222> (404)..(410)
į
   <223> TATA box
   <220>
   <221> misc_feature
   <222> (434)
   <223> Transcription Initiation Site
   <400> 5
   agctttgagt ggccgtagat ttgcaaaagc aatggctaac agacacatat tctgccaaac 60
```

cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120

cacttetgea aacaatacat cagaactagg attacgeega ttacgtgget ttageagact 180 gtccaaaaat etgttttgea aageteeaat tgeteettge ttateeaget tettttgtgt 240 tggcaaactg egetttteea accgattttg ttetteege getttettet taggetaaac 300 aaaceteace gtgattgatg tgatateaag attgatgga tateteeact gaegtaaggg 360 atgaegeaca egeageeatg gteetgaace tteacetegt eectataaaa geetageeaa 420 eetteacaat ettateatea eecaaacac egageaceac aaactagaga te 472

```
<210> 6
   <211> 455
< < 212 > DNA
then have built then their built
   <213> Artificial Sequence
    <220>
   <223> Description of Artificial Sequence:MPr1131
der H. H. See Start seed
           promoter
   <220>
    <221> misc_feature
   <222> (22)..(29)
    <223> Prolamine-like box
    <220>
    <221> misc_feature
    <222> (70)..(73)
    <223> GATA box
```

<220>

```
<221> misc_feature
```

- <220>
- <221> misc\_feature
- <222> (127)..(133)
- <223> Prolamine-like box
- <220>
- <= <221> misc\_feature
- - <220>
- 3 <221> enhancer
- <222> ()..)
  - <223> Enhancer box
  - <220>

1 =

- <221> misc\_feature
- <222> ()..)
- <223> As2/As1 box
- <220>
- <221> TATA\_signal
- <222> ()..(393)
- <223> TATA box

```
<220>
   <221> misc_feature
   <222> ()
   <223> Transcription Initiation Site
   <400> 6
   agctttgagt ggccgtagat ttgcaaaagc aatggctaac agacacatat tctgccaaac 60
   cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
   cacttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
  gtccaaaaat ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttgtgt 240
ij
Her free first that their field
   tggcaaactg cgcttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
   aaacctcacc gtgattgatg tgatatctcc actgacgtaa gggatgacgc acacgcagcc 360
   atggtcctga accttcacct cgtccctata aaagcctagc caaccttcac aatcttatca 420
   tcacccacaa caccgagcac cacaaactag agatc
                                                                         455
the Hall
   <210> 7
   <211> 332
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Description of Artificial Sequence:MPr1135
         promoter
   <220>
   <221> misc_feature
```

<222> (21)..(28) <223> G-like box <220> <221> enhancer <222> (53)..(90) <223> Enhancer box <220> <221> misc\_feature <222> (174)..(228) Total Moon from May See Good that <223> As2/As2/As1 box <220> <221> TATA\_signal The same same same same <222> (264)..(270) <223> TATA box <220> <221> misc\_feature <222> (294) <223> Transcription Initiation Site <400> 7 cagaactagg attacgccga ttacgtggct ttagcagact gtccaaaaat ctgttttgca 60 aagctccaat tgctccttgc ttatccagct tcttttgtgt tggcaaactg cgcttttcca 120

accgattttg ttcttctcgc gctttcttct taggctaaac aaacctcacc gtgattgatg 180

tgatatcaag attgatgtga tatctccact gacgtaaggg atgacgcaca cgcagccatg 240

gtcctgaacc ttcacctcgt ccctataaaa gcctagccaa ccttcacaat cttatcatca 300 332

<210> 8 <211> 219 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:MPr1136 promoter <220> <221> misc\_feature <222> (78)..(115) <223> As2/As1 box <220> <221> TATA\_signal <222> (151)..(157) <223> TATA box <220> <221> misc\_feature <222> (181) <223> Transcription Initiation Site

cccacaacac cgagcaccac aaactagaga tc

```
\verb|gtgttggcaa|| \verb|actgcgcttt|| \verb|tccaaccgat|| \verb|tttgttcttc|| \verb|tcgcgctttc|| \verb|tcttaggct|| 60
   aaacaaacct caccgtgatt gatgtgatat ctccactgac gtaagggatg acgcacacgc 120
   agccatggtc ctgaaccttc acctcgtccc tataaaagcc tagccaacct tcacaatctt 180
   atcatcaccc acaacaccga gcaccacaaa ctagagatc
                                                                                   219
   <210> 9
   <211> 282
   <212> DNA
< <213> Artificial Sequence
And the test than the think
   <220>
   <223> Description of Artificial Sequence:MPr1137
          promoter
Shall Then some their
   <220>
   <221> enhancer
   <222> (20)..(57)
   <223> Enhancer box
   <220>
   <221> misc_feature
   <222> (141)..(178)
    <223> As2/As1 box
    <220>
```

<400> 8

<221> TATA\_signal

```
<222> (214)..(220)
             <223> TATA box
             <220>
             <221> misc_feature
             <222> (244)
             <223> Transcription Initiation Site
              <400> 9
              gcagactgtc caaaaatctg ttttgcaaag ctccaattgc tccttgctta tccagcttct 60
tttgtgttgg caaactgcgc ttttccaacc gattttgttc ttctcgcgct ttcttcttag 120
N. J. L. L. J. J. S. A. C. S. C.
              gctaaacaaa cctcaccgtg attgatgtga tatctccact gacgtaaggg atgacgcaca 180
              cgcagccatg gtcctgaacc ttcacctcgt ccctataaaa gcctagccaa ccttcacaat 240
                                                                                                                                                                                                                                                                                                                   282
               cttatcatca cccacaacac cgagcaccac aaactagaga tc
i M
The sum of 
              <210> 10
               <211> 315
               <212> DNA
               <213> Artificial Sequence
                <220>
                <223> Description of Artificial Sequence:MPr1138
                                          promoter
                <220>
                <221> misc_feature
                 <222> (21)..(28)
```

<223> G-like box <220> <221> enhancer <222> (53)..(90) <223> Enhancer box <220> <221> misc\_feature <222> (174)..(211) <223> As2/As1 box The first own man to see a see and the see <220> <221> TATA\_signal <222> (247)..(253) <223> TATA box <220> <221> misc\_feature <222> (277) <223> Transcription Initiation Site <400> 10 cagaactagg attacgccga ttacgtggct ttagcagact gtccaaaaat ctgttttgca 60 aagctccaat tgctccttgc ttatccagct tcttttgtgt tggcaaactg cgcttttcca 120

accgattttg ttcttctcgc gctttcttct taggctaaac aaacctcacc gtgattgatg 180

tgatatctcc actgacgtaa gggatgacgc acacgcagcc atggtcctga accttcacct 240

cgtccctata aaagcctagc caaccttcac aatcttatca tcacccacaa caccgagcac 300

cacaaactag agatc 315

```
<210> 11
   <211> 505
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Description of Artificial Sequence:MPr1139
promoter
   <220>
   <221> misc_feature
   <222> (4)..(26)
   <223> Cereal box
   <220>
   <221> misc_feature
   <222> (39)..(61)
   <223> Cereal box
   <220>
   <221> misc_feature
   <222> (120)..(123)
   <223> GATA box
```

<220>

```
<221> misc_feature
```

<223> GATA box

#### <220>

<221> misc\_feature

<223> Prolamine-like box

### <220>

<221> misc\_feature

<222> (177)..(183)

<223> Prolamine like box

# <220>

They have been then have been been

Ser tong II II

1-1

<221> misc\_feature

<222> (211)..(218)

<223> G-like box

### <220>

<221> enhancer

<222> (243)..(280)

<223> Enhancer box

## <220>

<221> misc\_feature

<222> (364)..(401)

<223> As2/As1 box

<220>										
<221> TATA_signal										
<222> (437)(443)										
<223> TATA box										
<220>										
<221> misc_feature										
<222> (467)										
<223> Transcription Initiation Site										
<400> 11										
ctcgacatgg ttagaagttt	tgagtgccgc	cactactcga	catggttaga	agttttgagt	60					
ggccgtagat ttgcaaaagc	aatggctaac	agacacatat	tctgccaaac	cccaagaagg	120					
ataatcactt ttcttagata	aaaaagaaca	gaccaatata	caaacatcca	cacttctgca	180					
aacaatacat cagaactagg	attacgccga	ttacgtggct	ttagcagact	gtccaaaaat	240					
ctgttttgca aagctccaat	tgctccttgc	ttatccagct	tcttttgtgt	tggcaaactg	300					
cgcttttcca accgattttg	ttcttctcgc	gctttcttct	taggctaaac	aaacctcacc	360					
gtgattgatg tgatatctcc	actgacgtaa	gggatgacgc	acacgcagcc	atggtcctga	420					
accttcacct cgtccctata	aaagcctagc	caaccttcac	aatcttatca	tcacccacaa	480					

<210> 12

<211> 96

<212> DNA

<213> Artificial Sequence

caccgagcac cacaaactag agatc

505

```
<220>
   <223> Description of Artificial Sequence:MPr1197
        promoter
   <220>
   <221> TATA_signal
   <222> (28)..(34)
   <223> TATA box
   <220>
< <221> misc_feature
<223> Transcription Initiation Site
   <400> 12
   catggtcctg aaccttcacc tcgtccctat aaaagcctag ccaaccttca caatcttatc 60
96
   atcacccaca acaccgagca ccacaaacta gagatc
   <210> 13
   <211> 187
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Description of Artificial Sequence:MPr1198
         promoter
```

The Holl 1 = 5

```
<220>
    <221> misc_feature
    <222> (8)..(15)
    <223> G-like box
    <220>
    <221> enhancer
    <222> (40)..(77)
    <223> Enhancer box
(220>
Mr. Then H. H. Hell House from the Marie
    <221> TATA_signal
    <222> (119)..(125)
    <223> TATA box
To H H H Come annual Hands
    <220>
    <221> misc_feature
    <222> (149)
    <223> Transcription Initiation Site
```

<400> 13

acgccgatta cgtggcttta gcagactgtc caaaaatctg ttttgcaaag ctccaattgc 60 teettgetta tccagettet tttgtgttgg ceatggteet gaacetteac etcgteecta 120 taaaageeta gecaacette acaatettat catcacecae aacacegage accacaaact 180 agagate

<210> 14

```
<211> 290
                         <212> DNA
                        <213> Artificial Sequence
                         <220>
                         <223> Description of Artificial Sequence:MPr1199
                                                                     promotoer
                          <220>
                          <221> misc_feature
                  <222> (6)..(25)
                         <223> GC rich box
                           <220>
                          <221> misc_feature
The state of the s
                       <222> (34)..(41)
                        <223> G-like box
                           <220>
                            <221> enhancer
                            <222> (66)..(103)
                            <223> Enhancer box
                             <220>
                             <221> TATA_signal
                             <222> (222)..(228)
```

<223> TATA box

```
<220>
   <221> misc_feature
   <222> (252)
   <223> Transcription Initiation Site
   <400> 14
   caaatgggcc ggaccgggcc ggcccagcgc cgattacgtg gctttagcag actgtccaaa 60
   aatctgtttt gcaaagctcc aattgctcct tgcttatcca gcttcttttg tgttggcaaa 120
   ctgcgctttt ccaaccgatt ttgttcttct cgcgctttct tcttaggcta aacaaacctc 180
   acceptgcace caeccategt cetgaacett caectegtee etataaaage etagecaace 240
                                                                            290
   ttcacaatct tatcatcacc cacaacaccg agcaccacaa actagagatc
Alem Gram Graff Alem South House
   <210> 15
   <211> 381
The first own was the
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Description of Artificial Sequence:MPr1200
   <220>
   <221> misc_feature
   <222> (4)..(26)
    <223> Cereal box
    <220>
    <221> misc_feature
```

```
<222> (39)..(61)
```

<220>

<221> misc\_feature

<222> (87)..(94)

<223> G-like box

<220>

<221> enhancer

<222> (119)..(156)

<223> Enhancer box

<220>

<221> misc\_feature

<222> (240)..(277)

<223> As2/As1 box

<220>

<221> TATA\_signal

<222> (313)..(319)

<223> TATA box

<220>

<221> misc\_feature

<222> (343)

<223> Transcription Initiation Site

```
<400> 15
```

ctcgacatgg ttagaagttt tgagtgccgc cactactcga catggttaga agttttgagt 60 ggccgtagat ttgctctaga cgccgattac gtggctttag cagactgtcc aaaaatctgt 120 tttgcaaagc tccaattgct ccttgcttat ccagcttctt ttgtgttggc aaactgcgct 180 tttccaaccg attttgttct tctcgcgctt tcttcttagg ctaaacaaac ctcaccgtga 240 ttgatggat atctccactg acgtaaggga tgacgcacac gcagccatgg tcctgaacct 300 tcacctcgtc cctataaaag cctagccaac cttcacaatc ttatcatcac ccacaacacc 360 gagcaccaca aactagagat c

<210> 16

<211> 343

<212> DNA

The Box May do hop length

100

į "š

<213> Artificial Sequence

<223> Description of Artificial Sequence:MPr1213

Promoter

<220>

<221> misc\_feature

<222> (4)..(26)

<223> Cereal box

<220>

<221> misc\_feature

<222> (39)..(61)

<223> Cereal box

```
<220>
   <221> enhancer
   <222> (119)..(156)
   <223> Enhancer box
   <220>
   <221> misc_feature
   <222> (87)..(94)
   <223> G-like box
this thin that this time that the
   <220>
   <221> TATA_signal
   <222> (275)..(281)
I
   <223> TATA box
Carl hall the may had
   <220>
   <221> misc_feature
   <222> (305)
   <223> Transcription Initiation Site
   <400> 16
   ctcgacatgg ttagaagttt tgagtgccgc cactactcga catggttaga agttttgagt 60
   ggccgtagat ttgctctaga cgccgattac gtggctttag cagactgtcc aaaaatctgt 120
   tttgcaaagc tccaattgct ccttgcttat ccagcttctt ttgtgttggc aaactgcgct 180
   tttccaaccg attttgttct tctcgcgctt tcttcttagg ctaaacaaac ctcaccgtgc 240
   acgcagccat ggtcctgaac cttcacctcg tccctataaa agcctagcca accttcacaa 300
```

tcttatcatc acccacaaca ccgagcacca caaactagag atc

343

```
<210> 17
   <211> 358
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Description of Artificial Sequence:MPr1216
         promoter
<220>
   <221> misc_feature
   <222> (7)..(14)
   <223> G-like box
   <220>
   <221> enhancer
   <222> (39)..(76)
   <223> Enhancer box
    <220>
    <221> misc_feature
    <222> (102)..(109)
    <223> G-like box
    <220>
```

<221> enhancer

```
the for half the both first
Man Tang Man
100
```

<220>

```
<222> (134)..(171)
<223> Enhancer box
<220>
<221> TATA_signal
<222> (290)..(296)
<223> TATA box
<220>
<221> misc_feature
<222> (320)
<223> Transcription Initiation Site
<400> 17
cgccgattac gtggctttag cagactgtcc aaaaatctgt tttgcaaagc tccaattgct 60
ccttgcttat ccagcttctt ttgtgttggt ctagacgccg attacgtggc tttagcagac 120
tgtccaaaaa tctgttttgc aaagctccaa ttgctccttg cttatccagc ttcttttgtg 180
ttggcaaact gcgcttttcc aaccgatttt gttcttctcg cgctttcttc ttaggctaaa 240
caaacctcac cgtgcacgca gccatggtcc tgaaccttca cctcgtccct ataaaagcct 300
agccaacctt cacaatctta tcatcaccca caacaccgag caccacaaac tagagatc
<210> 18
<211> 25
<212> DNA
<213> Artificial Sequence
```

	<223>	Description of Artificial	
		Sequence:Oligodesoxynucleotide	
	<400>	18	
	atcgga	attc gtgttggcaa actgc	25
	<210>	19	
	<211>	29	
	<212>	DNA	
	<213>	Artificial Sequence	
UK.			
	<220>		
with herm time three time time times the	<223>	Description of Artificial	
Į.		Sequence:Oligodesoxynucleotide	
But the four my that	<400>	19	
	atcggg	gaatt cgcagactgt ccaaaaatc	29
	<210>	20	
	<211>	29	
	<212>	DNA	
	<213>	Artificial Sequence	
	<220>		
	<223>	Description of Artificial	

Sequence:Oligodesoxynucleotide

```
<400> 20
```

atcggaattc cagaactagg attacgccg

29

<210> 21

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

the first for the first first first first first

The Land Stook Street work Starte

<223> Description of Artificial

Sequence:Oligodesoxynucleotide

<400> 21

tacgaattcc cagctttgag tggccgtag

29

<210> 22

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial

Sequence:Oligodesoxynucleotide

<400> 22

	<210>	23		
	<211>	83		
	<212>	DNA		
	<213>	Artificial Sequence		
	<220>			
	<223>	Description of Artificial		
1 2015 2 2015 2015		Sequence:Oligodesoxynucleotide		
the control of the co				
Mall Man	<400>	23		
Mr. Cm	tacga	attcc tcgacatggt tagaagtttt gagtgccgcc actactcgac atggttagaa	60	
1 77	gttttgagtg gccgtagatt tgc 8			
12				
Mark the See and the				
	<210>	24		
	<211>	30		
	<212>	DNA		
	<213>	Artificial Sequence		
	<220>			
	<223>	Description of Artificial		
		Sequence:Oligodesoxynucleotide		
	<400>	24		
	atcgg	aattc gccgattacg tggctttagc	30	

```
<210> 25
   <211> 29
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Description of Artificial
         Sequence:Oligodesoxynucleotide
<400> 25
                                                                      29
   atcggaattc gcagccatgg tcctgaacc
   <210> 26
   <211> 19
   <212> DNA
    <213> Artificial Sequence
    <220>
    <223> Description of Artificial
          Sequence:Oligodesoxynucleotide
    <400> 26
```

tacgaattcc tcgacatgg

19

```
<210> 27
                 <211> 63
                 <212> DNA
                 <213> Artificial Sequence
                  <220>
                  <223> Description of Artificial
                                                     Sequence:Oligodesoxynucleotide
                   <400> 27
                attgatgtga tatctccact gacgtaaggg atgacgcaca cgcagccatg gtcctgaacc 60
The first first and that the first f
                                                                                                                                                                                                                                                                                                                                                                                                                 63
                   ttc
                   <210> 28
                   <211> 80
                   <212> DNA
                    <213> Artificial Sequence
<220>
                      <223> Description of Artificial
                                                        Sequence:Oligodesoxynucleotide
                      <400> 28
                      attgatgtga tatcaagatt gatgtgatat ctccactgac gtaagggatg acgcacacgc 60
                                                                                                                                                                                                                                                                                                                                                                                                                    80
                      agccatggtc ctgaaccttc
```

<210> 29 <211> 33 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:Oligodesoxynucleotide <400> 29 tacggatccc cggggatctc tagtttgtgg tgc 33 <210> 30 <211> 26 <212> DNA <213> Artificial Sequence i ziz <220> <223> Description of Artificial Sequence:Oligodesoxynucleotide <400> 30 26 gctctagagc aaatctacgg ccactc <210> 31

<211> 27

<212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:Oligodesoxynucleotide <400> 31 27 gctctagacc aacacaaaag aagctgg <210> 32 <211> 29 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:Oligodesoxynucleotide <400> 32 29 catgccatgg ccaacacaaa agaagctgg <210> 33 <211> 63 <212> DNA

<213> Artificial Sequence

<220> <223> Description of Artificial Sequence:Oligodesoxynucleotide <400> 33 tgcgtcatcc cttacgtcag tggagatatc acatcaatca cggtgaggtt tgtttagcct 60 63 aag Over 15 Year last of the least find the <210> 34 <211> 80 <212> DNA <213> Artificial Sequence Tank American <220> <223> Description of Artificial Sequence:Oligodesoxynucleotide i d <400> 34 tgcgtcatcc cttacgtcag tggagatatc acatcaatct tgatatcaca tcaatcacgg 60 80 tgaggtttgt ttagcctaag <210> 35 <211> 236 <212> DNA <213> Artificial Sequence

```
<220>
   <223> Description of Artificial Sequence:MPr1133
          promoter
   <220>
   <221> misc_feature
   <222> (78)..(132)
   <223> As2/As2/As1 box
   <220>
   <221> misc_feature
   <222> (198)
   <223> Transcription Initiation Site
Harry Marth Spars, course Street Street
   <400> 35
   gtgttggcaa actgcgcttt tccaaccgat tttgttcttc tcgcgctttc ttcttaggct 60
   aaacaaacct caccgtgatt gatgtgatat caagattgat gtgatatctc cactgacgta 120
    agggatgacg cacacgcagc catggtcctg aaccttcacc tcgtccctat aaaagcctag 180
```

ccaaccttca caatcttatc atcacccaca acaccgagca ccacaaacta gagatc

<210> 36

<211> 299

<212> DNA

<213> Artificial Sequence

<220>

```
<223> Description of Artificial Sequence:MPr1134
<220>
<221> enhancer
<222> (20)..(57)
<223> Enhancer box
<220>
<221> misc_feature
<222> (141)..(195)
<223> As2/As2/As1 box
<220>
<221> misc_feature
<222> (261)
<223> Transcription Initiation Site
<400> 36
gcagactgtc caaaaatctg ttttgcaaag ctccaattgc tccttgctta tccagcttct 60
tttgtgttgg caaactgcgc ttttccaacc gattttgttc ttctcgcgct ttcttcttag 120
gctaaacaaa cctcaccgtg attgatgtga tatcaagatt gatgtgatat ctccactgac 180
gtaagggatg acgcacacgc agccatggtc ctgaaccttc acctcgtccc tataaaagcc 240
 tagccaacct tcacaatctt atcatcaccc acaacaccga gcaccacaaa ctagagatc 299
 <210> 37
```

Last Last Care cont and the control of the control

<211> 453

<212> DNA

116

```
<213> Artificial Sequence
    <220>
    <223> Description of Artificial Sequence:MPr1217
           promoter
    <220>
    <221> misc_feature
    <222> (8)..(15)
    <223> G-like box
 (220)
(221)
(222)
(223)
(223)
(220)
(221)
(221)
(221)
    <221> enhancer
    <222> (40)..(77)
    <223> Enhancer box
    <221> misc_feature
14
    <222> (102)..(109)
    <223> G-like box
     <220>
     <221> enhancer
     <222> (134)..(171)
     <223> Enhancer box
     <220>
     <221> misc_feature
```

```
<222> (197)..(204)
  <223> G-like box
   <220>
   <221> enhancer
   <222> (229)..(266)
   <223> Enhancer box
   <220>
   <221> TATA_signal
<222> (385)..(391)
Comp. of some some or some sort
   <223> TATA box
   <220>
   <221> misc_feature
the Hall House
   <222> (415)
   <223> Transcription Initiation Site
   <400> 37
   acgccgatta cgtggcttta gcagactgtc caaaaatctg ttttgcaaag ctccaattgc 60
    teettgetta teeagettet titgtgttgg tetagaegeg attacgtgge titageagae 120
    tgtccaaaaa tctgttttgc aaagctccaa ttgctccttg cttatccagc ttcttttgtg 180
    ttggtctaga cgccgattac gtggctttag cagactgtcc aaaaatctgt tttgcaaagc 240
    tccaattgct ccttgcttat ccagcttctt ttgtgttggc aaactgcgct tttccaaccg 300
    attttgttct tctcgcgctt tcttcttagg ctaaacaaac ctcaccgtgc acgcagccat 360
```

453

ggtcctgaac cttcacctcg tccctataaa agcctagcca accttcacaa tcttatcatc 420

acccacaaca ccgagcacca caaactagag atc